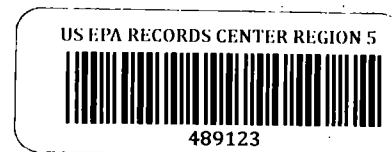


Kolak, Shari

From: Madelyn.Adams@epa.ohio.gov
Sent: Thursday, January 28, 2016 9:34 AM
To: Kolak, Shari
Cc: Fischer, Timothy; mike.starkey@epa.ohio.gov
Subject: RE: OEPA VI sampling - church



Shari,

We need SS samples as well as IA samples at this building. Going back to our concerns from 2014, the whole idea of re-sampling the church was because it sits over the source area and there are sensitive populations that visit. In 2006 only one SS and IA sample were taken, which only gives us a snapshot of the conditions. VI is temporally and spatially variable, because of this we would like to do multiple locations for SS and IA and take at least two rounds of samples. This will allow us to get a better understanding of concentrations throughout the sub-slab and building as well as determine the effect of season on whether vapors are present and making their way into the breathing space. SS samples paired with IA samples are best because there can be indoor sources of VOCs that are not related to a source in the sub-slab (for example paints or glues can give off vapors). U.S. EPA's VI guidance also discusses targeting the most sensitive populations, so we would definitely want to take a sample in the Sunday School/Day Care area.

We should have a call with the church to go over what we'd like to do and answer any questions they have and/or we can set up a site visit where we can walk through the church and discuss where it would be most appropriate to place samples. We did a site walk over with SulTRAC in 2014, but we were denied access to do any sampling after that. I would anticipate the site visit to be similar to what we did in 2014.

I will need to work with SIFU more on what information they need to put together a sample plan. But for starters, we will need to know the layout of the building in terms of square footage and how the space is split up with rooms – if they had a blueprint of the building that would help, or we can assess that on the site walk over. It's a pretty big building so we should be able to find areas where we can put samples that won't be in the way. The timing of when we sample is also very flexible. The holes that they drill for a SS sample are about an inch in diameter and we can work with SIFU to ensure that they are filled in such a manner that vapors won't get through them once they're removed (we will ensure we properly abandon the SS sample holes as we wouldn't want to create a conduit for vapors to migrate through, that would defeat the purpose of sampling and mitigating for IA). In addition, the Removal Action was successful in getting a SS sample in 2006, despite the moisture barrier. I think if we have a talk with the church, we can help alleviate their concerns on this.

Who have you been in contact with at the church? Just their legal? If you want, you can have them contact me if they have more questions on this.

Maddie

Madelyn Adams

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From: Kolak, Shari [mailto:kolak.shari@epa.gov]
Sent: Wednesday, January 27, 2016 5:25 PM

To: Adams, Madelyn
Cc: Fischer, Timothy
Subject: RE: OEPA VI sampling -- church

Maddie,

To follow-up on my last e-mail, we don't think it's a good idea to do sub-slab sampling because we don't want to puncture the underlying moisture barrier. Indoor air sampling would be fine. Shari

From: Kolak, Shari
Sent: Wednesday, January 27, 2016 4:16 PM
To: 'Madelyn.Adams@epa.ohio.gov' <Madelyn.Adams@epa.ohio.gov>
Cc: Fischer, Timothy <Fischer.Timothy@epa.gov>
Subject: OEPA VI sampling - church

Maddie,

Will OEPA do sub-slab sampling or just indoor air? Shouldn't be a problem with indoor air VI sampling. However, if OEPA is planning sub-slab sampling, the church asked for the number and locations of the VI sampling before they sign an access agreement. Shari

Shari Kolak
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